

Inversion-voltammetric determination of heavy metal ions on electrodes modified with mono- and bis--thiophosphoryl thiourea

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Abstract

A method is proposed for determining Ni^{2+} , Co^{2+} , Cu^{2+} , Cd^{2+} , and Pb^{2+} ions by inversion voltammetry on carbon-paste electrodes modified with N- diisopropoxythiophosphoryl-N'-phenyl thiourea and its derivatives: N,N'-bis-(diisopropoxythiophosphorylamidothiocarbonyl)-1, 5-diamino-3-oxapentane, N,N'-bis- (diisopropoxythiophosphorylamidothiocarbonyl)-1,8-diamino-3,6-dioxaoctane and N,N'-bis-(diisopropoxythiophosphorylaminothiocarbonyl)-1, 10-diaza--8-crown-6.

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